

SEC. 17 TWP. 10S RGE. 24E LOCATION SE 1/4, SW 1/4
FARM Southam NO. 4 ELEVATION 5061 Gr.
OWNER _____ STATE Utah COUNTY Uintah
SAMPLES FROM 70 TO 380 EXAMINED BY Malone DATE Nov 13, 73

FROM	TO	LITHOLOGIC DESCRIPTION, FORMATION AND REMARKS
70	80	SS, f, yelgy-gy - Very silty matrix, gy, mic, tr carbon
80	90	SS, med-f, gy - Hgy, angular-subangular
90	100	SS, as above 20% gy, crystalline
100	110	Siltstone, Hgy - Some yellow < 5%, tr ss as above Very finely micaceous, slightly calcareous
110	120	Siltstone, as above but no s.s. and tr. Carbon
120	130	Siltstone, shaly, Hgy, tr carbon
130	140	SS, f-med, gy, subangular tr. yel sand
140	150	SS, med-uf-f, Hgy, mic (biotite), subang
150	160	Siltstone, gy-wh-gy, and s.s. as above 15%, tr pyrite micaceous, tr. carbon
160	170	SS, f-med, Hgy, angular-subangular, micaceous
170	180	SS, uf-f, Hgy, otherwise as above
180	190	SS, f-med, Hgy, angular-subangular, micaceous
190	200	SS, as above
200	210	SS, as above
210	220	Siltstone, Hgy, & ss, as above
220	230	SS, med-f, Hgy, & siltstone, Hgy, sand is subangular
230	240	SS, f-med, Hgy-wh, angular-subang, micaceous, tr. ca
240	250	SS, as above
250	260	SS, med-f, Hgy, pyrite, subang, tr carbon, mic
260	270	SS, uf-f Hgy, micaceous
270	280	SS, as above
280	290	SS, f-med, rose-yel-Hgy (95), angular-subang - tr carbon
290	300	SS, f, silty, orange, finely micaceous, tr. carbon
300	310	SS, med-f, Hgy, subangular, tr pyrite
310	320	Siltstone, tan gy, tr carbon, slightly calcareous
320	330	Siltstone as above
330	340	Siltstone, tan gy, pyrite, tr. carbon
340	350	Siltstone, as above
350	360	Siltstone, tan gy, tr carbon
360	370	Siltstone, Hgy, tr carbon - some tan gy as above
370	380	Siltstone, as above

SEC. 17 TWP. 10S RGE. 24E LOCATION
FARM Southam NO. 4 ELEVATION 5061 Gr.
OWNER STATE Utah COUNTY Uintah
SAMPLES FROM 380 TO 660 EXAMINED BY Malone DATE 11-13-72

FROM	TO	LITHOLOGIC DESCRIPTION. FORMATION AND REMARKS.
380	390	Siltstone, Hgy - Hbrng, tr carbon, calcareous
390	400	Siltstone buff - Hgy, tr carbon
400	410	Siltstone, Hbrn - Hbrng
410	420	Siltstone, Hgy brn, tr barnite
420	430	Siltstone, Hgy brn - Hgy
430	440	Siltstone, Hbrng, tr carbon
440	450	marlstone, tan - brn, angular pieces, tr gy, silt as above
450	460	marlstone, tan - brn, much pyrite
460	470	marlstone, tan - Hbrn, slightly calcareous
470	480	marlstone, as above
480	490	marlstone, tan, calcareous
490	500	marlstone, brn, tr pyrite - much Hgy silt in sample can
500	510	Tuffaceous Silt, tan - Hgy wh and Marlstone, dk brn - brn, many large pieces of pyrite, tr. carbon
510	520	marlstone, brn - dk brn, & Tuff, gy - Hgy, pyrite
520	530	marl & Tuff as above
530	540	Tuffaceous Siltstone, Hgy - some tan - marlstone, brn, tr pyrite
540	550	marlstone, tan - brn, dolomitic
550	560	marlstone, tan - brn - Hbrn, tr carbon dolomitic
560	570	marlstone, as above
570	580	marlstone, brn - tan, dolomitic - some very dk brn
580	590	marlstone, brn - dk brn, very high Kerogen content
590	600	marlstone, dk brn - brn, Calcite, dolomitic
600	610	marlstone, brn - dk brn, high Kerogen content, tr pyrite
610	620	marlstone, dk brn - tan, calcareous, tr pyrite
620	630	marlstone, tan - dk brn, high in Kerogen, pyrite, many very fine solution holes, and much wh calcareous mineral
630	640	marlstone, dk brn - brn, dolomitic
640	650	marlstone, tan - dk brn - brn, dolomitic, calcite common Tan is calcareous
650	660	marlstone, tan, dk brn - brn, pyrite, many small solution holes, & much wh, calcareous, mineral, also some brn resinous material

Uinta
Fm.
Evacuation
Creek

SEC. 17 TWP. 10S RGE. 21E LOCATION
FARM Southam NO. 004 ELEVATION 5061 Gr.
OWNER STATE Utah COUNTY Uintah
SAMPLES FROM 660 TO EXAMINED BY Malone DATE 11-19-72

FROM	TO	LITHOLOGIC DESCRIPTION, FORMATION AND REMARKS
660	670	marlstone, dkbrn-tan-ltbrn, some have small cavities & there is quite a lot of wh xline material, tr carbon tr, pyrite, slightly calcareous
670	680	marlstone, blkbrn-ltbrn, tr carbon, dolomitic
680	690	marlstone, brn-tan, dolomitic, tr carbon
690	700	marlstone, as above
700	710	marlstone, tan-dkbrn-brn, dolomitic
710	720	marlstone, dkbrn-tan-ltbrn, many small cavities lines with wh & amber crystals, tr pyrite, tr carbon
720	730	marlstone, dkbrn-brn, otherwise as above
730	740	marlstone, tan-dkbrn, high Kerogen content in dkbrn, dolomitic
740	750	marlstone, as above
750	760	marlstone, dkbrn, rich in Kerogen trace tan-buff Tuff much pyrite, some wh crystalline mineralization
760	770	marlstone, as above but more wh crystalline mineralization, and a little more tuff
770	780	marlstone, blk-dkbrn-brn, some rich in Kerogen, much pyrite, some buff Tuff, Richest oil sh so far
780	790	marlstone, gy-brn, much pyrite, tr Tuff, Trace wh & Amber crystals
790	800	marlstone, blk-brn-tan, blk is rich in Kerogen, much pyrite, much amber & wh xls - Tuff, tan (5%)
800	810	marlstone, dkbrn-brn, many cavities & much wh and amber minerals, much pyrite, tr tuff, buff
810	820	marlstone, dkbrn-brn, fairly high Kerogen content, tr Tuff
820	830	marlstone, tr pyrite
830	840	marlstone, tan-brn, tr pyrite, dolomitic tr tuff
840	850	marlstone, as above, trace Tuff, gy-tan
850	860	marlstone, tan-brn, tr wh mineral, tr tuff, tan
860	870	marlstone, tan-brn, 10% Tuff, tan, much wh mineral
870	880	marlstone, as above, tr pyrite
880	890	marlstone, ltbrn-brn, tr pyrite, tr tuff, dolomitic
890	900	marlstone, tan-brn, some Tuff, dolomitic
900	910	marlstone, as above, some Tuff, wh tan